

**Basic Course Information**

Semester	Fall 2016	Instructor's Name	Manfred Knaak
Course Title & #	Physical Anthropology 100	Email	manfred.knaak@imperial.edu
CRN #	10545	Webpage (optional)	none
Room	2735	Office	Room 2735
Class Dates	15 August to 09 December	Office Hours	M, T, Th: 5-6pm; F: Noon-1pm
Class Days	Friday	Office Phone #	760-355-6282
Class Times	08:00 AM to 11:10 AM	Office contact if student will be out or emergency	Department Secretary 760-355-6144
Units	3		

**Course Description**

Physical anthropology is the study of humans as biological beings subject to the forces of both evolution and culture. Physical anthropology studies humans in a biological context and explains our relationship to other primates and the rest of the natural world. Throughout the course we will examine anatomical, behavioral, and genetic similarities and differences among the living primates, and by illustrating the scientific method, learn the basic mechanism of the evolutionary processes and trace a pathway of human evolution in relation to environmental adaptation as reconstructed from the fossil record. (CSU, UC)

**Student Learning Outcomes**

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:

- 1 Define the main goals and aims of physical anthropology. (ILO 2)
- 2 Explain how Darwin's theory of natural selection results in evolution, adaptation and design, and how evolution affects our daily lives. (ILO 2, ILO 3, ILO 5)
- 3 Explain the basic pattern of hominid evolution over the last seven million years including dating methods, scientific methods, and the origin of Homo sapiens in Africa including global biological diversity. (ILO 2, ILO 3)

## Course OBJECTIVES:

Upon satisfactory completion of the course, students will be able to:

- 1 Define anthropology and describe its four major subfields, stating the major areas of research within physical anthropology.
- 2 Recall the development of evolutionary theory and individuals that contributed to its development.
- 3 Explain the basic principles of Mendelian, molecular and population genetics.
- 4 Formulate an argument for the importance of genetic variations and demonstrate how natural selection works with variation, including variation in skin color.
- 5 List an overview of dating techniques and recreate the geologic time scale in regards to vertebrae and mammalian evolution as it pertains to the human fossil record.
- 6 Use comparative primate taxonomy of commonly known primates in terms of physical characteristics, primate social behaviors and geographical locations, including the differences between the traditional and the cladistic taxonomic classification.
- 7 Recognize the major groups of hominin fossils and describe alternate phylogenies for human evolution.
- 8 Identify the biological and cultural factors responsible for human variation.

## Textbooks & Other Resources or Links

1. **Our Origins, Discovering Physical Anthropology**, 3<sup>rd</sup> edition, by Clark Spencer Larsen, ISBN 978-0-39392143

## Course Requirements and Instructional Methods

Students will be tested on assigned reading material and from the multi-media presentations viewed in classroom sessions. The scheduled exams may consist of true-false and multiple choice. Homework portfolio assignments may be from our textbook and classroom sessions, as well as from the Internet, and will require additional research and writing. Students must take the final exam to receive a final grade.

## Course Grading Based on Course Objectives

Three exams, which include the final exam, will be given during the semester. The semester grade will be based on an accumulation of points:

Exams: Total 150 points (3 exams at 50 points each)

Homework: 50 points

Total points: 200 points

Points: \_\_\_\_\_ Letter Grade

200-180      A

179-160      B

159-140      C

139-120      D

119- 0        F

**Make-up Exam:** A Make-up Exam may be given with the instructor's discretion and may consist of essays only. The Make-up Exam will be given at the end of the semester during Finals Week. **No more than one Make-up Exam is allowed.**

### Attendance

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. See General Catalog for details.
- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.

### Classroom Etiquette

- Electronic Devices: Cell phones and electronic devices must be turned off and put away during class, unless otherwise directed by the instructor. The use of laptop computers requires prior approval by the instructor.
- Food and Drink are prohibited in all classrooms. Water bottles with lids/caps are the only exception. Additional restrictions will apply in labs. Please comply as directed.
- Disruptive Students: Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Campus Disciplinary Officer before returning to continue with coursework. Disciplinary procedures will be followed as outlined in the General Catalog.
- Disrespectful or disruptive behavior toward the instructor or fellow students will not be tolerated.
- **Tardiness is disruptive, and if necessary, the instructor shall institute a tardiness penalty of three points for each late arrival in the classroom. Penalty points are cumulative and will reduce the overall point accumulation and may result in a lower grade.**
- Children in the classroom: Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

### Academic Honesty

- Academic honesty in the advancement of knowledge requires that all students and instructors respect the integrity of one another's work and recognize the important of acknowledging and safeguarding intellectual property.
- There are many different forms of academic dishonesty. The following kinds of honesty violations and their definitions are not meant to be exhaustive. Rather, they are intended to serve as examples of unacceptable academic conduct.
- Plagiarism is taking and presenting as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to 'cite a source' correctly, you must ask for help.

- Cheating is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question.

Anyone caught cheating or will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the General School Catalog for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a commercial term paper service.

### **Additional Student Services**

- Imperial Valley College offers various services in support of student success. The following are some of the services available to students. Please speak to your instructor about additional services which may be available.
- Blackboard Support Site. The Blackboard Support Site provides a variety of support channels available to students 24 hours per day.
- Learning Labs: There are several learning ‘labs’ on campus to assist students through the use of computers, tutors, or a combination. Please consult your campus map for the Math Lab, Reading & Writing Language Labs, and Study Skills Center (library).
- Library Services: There is more to our library than just books. You have access to tutors in the Study Skills Center, study rooms for small groups, and online access to a wealth of resources.

### **Disabled Student Programs and Services (DSPS)**

Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible. The DSP&S office is located in Building 2100, telephone 760-355-6313. Please contact them if you feel you need to be evaluated for educational accommodations.

### **Student Counseling and Health Services**

Students have counseling and health services available, provided by the pre-paid Student Health Fee.

**Student Health Center**. A Student Health Nurse is available on campus. In addition, Pioneers Memorial Healthcare District and El Centro Regional Center provide basic health services for students, such as first aid and care for minor illnesses. Contact the IVC Student Health Center at 760-355-6310 in Room 2109 for more information.

**Mental Health Counseling Services**. Short-term individual, couples, family, and group therapy are provided to currently enrolled students. Contact the IVC Mental Health Counseling Services at 760-355-6196 in Room 2109 for more information.

### Student Rights and Responsibilities

Students have the right to experience a positive learning environment and due process. For further information regarding student rights and responsibilities, please refer to the IVC General Catalog.

### Information Literacy

Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. The IVC Library Department provides numerous Information Literacy Tutorials to assist students in this endeavor.

### Anticipated Class Schedule / Calendar

Week & Date	Assignment and Topic	Reading Assignment Pages
Week 1 19 August	Chapter 1, What is Physical Anthropology	p. 3-21
Week 2 26 August	Chapter 2, Evolution: Constructing a Fundamental Scientific Theory	p. 22-51
Week 3 02 September	Chapter 3, Genetics: Reproducing Live and Producing Variation	p. 52-83
Week 4 09 September	Chapter 3 continued	p. 52-83
Week 5 16 September	Chapter 4, Genes and Their Evolution: Population Genetics	p. 84-117
Week 6 23 September	Chapter 5, Biology in the Present: Living People	p. 118-155
Week 7 30 September	Chapter 6, Biology in the Present: The Other Living Primates	p.156 -191
Week 8 07 October	Chapter 8. Fossils and Their place in Nature	p. 214 - 251
Week 9 14 October	Chapter 9. Primate Origins and Evolution: The First 50,000,000 Years.	p.252 - 285
Week 10 21 October	Chapter 10. Early Hominin origins and evolution. The Roots of Humanity.	p. 286 - 327
Week 11 28 October	Chapter 11. The Origins and Evolution of Early Homo.	p. 328 - 361

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Week 12 04 November	Chapter 12. The Origins, Evolution, and Dispersal of Modern People.	p. 362 - 415
<b>Week 13</b> <b>11 November</b>	<b><u>Veterans Day [Campus Closed]</u></b>	
Week 14 18 November	Chapter 12. —continued—	p. 362 - 415
<b>Week 15</b> <b>21 to 26 Nov.</b>	<b>Thanksgiving Recess [No Classes]</b>	
Week 16 02 December	Chapter 13, Our Last 10,000 Years: Agriculture, Population, and Bio-Archaeology	p. 416 - 453
Week 17 05 to 09 Dec.	<b>Finals Week</b>	